

(F.v.M.) in South Australia sometimes exceeds two inches in diameter, which is about four times that of *E. longifolia*, or our common Woolly Butt, a species remarkable amongst the *Eucalypts* of New South Wales for the size and thickness of its seed-vessel.

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ON A RARE SPECIES OF PERCH, FROM PORT JACKSON.

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SYDNEY.

*ANTHIAS LONGIMANUS*, *Gunther*.

*Anthias longimanus*, Gunth., Cat. Fishes, Vol. I., p. 94.

D. 10/20. A. 3/8. V. 1/5.

As this fish is apparently new to our waters, the following notes may be of interest to the Society :

The horizontal diameter of the eye is one-fourth of the length of the head, and equal to its distance from the snout. The height of the body is one-third of the length, exclusive of the caudal fin, the length of the head is three times and two-thirds in the same. Snout very short, mouth oblique ; the maxillary reaches to below the anterior third of the eye. The præoperculum is finely serrated on both limbs and rounded at the angle ; the operculum has a flat spine at its upper angle, and a smaller flat spine below it with a denticulated margin. The dorsal fin is low, the third spine the longest, the membranes connecting the spines and rays are clothed with scales for two-thirds of their height ; the pectorals are long, narrow, of twenty rays, much longer than the head, and reach to the fourth dorsal ray, and first anal spine ; the anal is moderate, its tip reaching to the vertical from the last dorsal ray ; the ventrals are inserted just behind the vertical from the base of the pectorals, and are a little longer than half their length. The lateral line terminates about six or seven scales from the base of the tail, the upper lobe of which is the longest. The space

between the eyes is one-fourth longer than the horizontal diameter of the orbit.

The general colour of this beautiful fish is of an intense reddish vermilion, shaded with light rose-lake on the sides, and orange on the belly; on the sides are numerous spots forming irregular lines of bright yellow, irregular lines of same colour on the cheeks. The lateral line silvery-blue. All the fins rich bright reddish-vermilion, without spots. The eye is bright orange, iris black.

The fine specimen on which the above notes are made, was forwarded to the Museum by Mr. Emerson of Sydney, this morning, (17th July, 1880), and was captured near the Heads. It is the only specimen I have seen. It answers tolerably well to Dr. Gunther's description of *Anthias longimanus*, but appears to be a broader fish, but more elongate than *A. rasor*; the head is very short and much rounded in front, the lower jaw when the mouth is open is a little longer than the upper; the height of the body is four times in the total length, the length of the head measured to the tip of the operculum is four and one-third in the total length (to the tip of the upper lobe of the tail).

It will be seen that these proportions do not altogether agree with Dr. Gunther's measurements, which were taken from a stuffed specimen, probably stretched in skinning and stuffed out of shape.

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NOTES ON *Histiophorus gladius*.

BY E. P. RAMSAY, F.L.S., &c.

Plate VIII. [Lettered in error *Xiphius gladius*.]

A remarkably fine specimen of this rare Fish, the subject of these few remarks, was captured on our coast a few days ago, (July 4th 1880) by Mr. Andrews and party, about six miles south of Wollongong, while schnapper fishing; they found many of the